Application No. 10/029,162
Attorney Docket No. 15-DS-00544 (13048US01)

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Original)   A system for remotely displaying a medical image, said system including:

a medical imaging system transmitting unprocessed medical imaging data to a remote terminal; and

a remote terminal for receiving said unprocessed medical imaging data, processing said unprocessed medical imaging data to form a medical image and displaying said medical image.

2. (Original)   The system of claim 1 wherein said remote terminal performs post-processing on said unprocessed medical image data.

3. (Original)   The system of claim 1 wherein said medical imaging system acquired said unprocessed medical imaging data.

4. (Original)   The system of claim 1 wherein said remote terminal sends commands to said medical imaging system.

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5. (Original)   The system of claim 1 wherein said medical imaging system also transmits audio data to said remote terminal.

6. (Original)   The system of claim 1 wherein said medical imaging system also transmits system parameter data to said remote terminal.

7. (Currently Amended)   A system for remotely controlling a medical imaging system, said system including:

a remote terminal for transmitting commands to a medical imaging system; and

a medical imaging system for receiving and executing said commands from said remote terminal,

wherein said commands control at least one of pre-processing functions and post-processing functions of said medical imaging system.

Claims 8-9 (Cancelled).

10. (Currently Amended)   A system for communication between the operator of a medical imaging device and the operator of remote terminal, said system including:

a medical imaging system transmitting unprocessed communications data to a remote terminal and receiving unprocessed communications data from said remote terminal;

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a remote terminal for transmitting unprocessed communications data to a medical

imaging system and receiving unprocessed communications data from said medical

imaging system.

11. (Original) The system of claim 10 wherein said communications data is audio

data.

12. (Original) The system of claim 10 wherein said communications data is video

data.

Claim 13 (Cancelled)

14. (Original) The system of claim 10 wherein said communications data

represents a verbal command.

15. (Original) The system of claim 10 wherein said communications data is text

data.

16. (Original) A system for remotely post-processing medical imaging data, said

system including:

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a remote terminal receiving unprocessed medical information data, said remote

terminal including a remote imaging processor receiving said unprocessed medical

information data and post-processing said medical imaging data.

17. (Original) The system of claim 16 wherein said unprocessed medical imaging

data is sent by a medical imaging system to said remote terminal.

18. (Original) The system of claim 16 wherein said remote terminal processes

said unprocessed medical information data according to imaging parameters.

19. (Original) The system of claim 18 wherein said imaging parameters are

controlled by an operator at said remoter terminal.

20. (Original) A remote terminal for use in a medical imaging system for

remotely displaying a medical image, said remote terminal including:

a remote data processor receiving unprocessed medical imaging data;

a remote imaging processor for post-processing said medical imaging data to form

a medical image; and

a display for displaying said medical image.

21. (Original) The remote terminal of claim 20 further including remote console

controls.

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22. (Original) The remote terminal of claim 21 wherein said remote console controls control imaging parameters at said remoter imaging processor.

23. (Original) The remote terminal of claim 20 wherein said remote console controls are used to relay commands through said remote data processor to an imaging system.

Claims 24-27 (Cancelled)   .

28. (Original) A method for remotely displaying a medical image, said method including the steps of:

transmitting unprocessed medical imaging data from a medical imaging system to a remote terminal;

processing said unprocessed medical imaging data at said remote terminal to form a medical image; and

displaying said medical image.

29. (Original) The method of claim 28 further including the step of post-processing said unprocessed medical image data at said remote terminal.

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30. (Original) The method of claim 28 further including the step of acquiring said unprocessed medical imaging data at said medical imaging system.

31. (Original) The method of claim 28 further including the step of sending commands from said remote terminal to said medical imaging system.

32. (Original) The method of claim 28 further including the step of tmamsitting audio data from said medical imaging system to said remote terminal.

33. (Original) The method of claim 28 further including the step of transmitting system parameter data from said medical imaging system to said remote terminal.

34. (Currently Amended)   A method for remotely controlling a medical imaging system, said method including the steps of :

    transmitting commands from a remote terminal to a medical imaging system; and

    executing said commands at said medical imaging system,

    <u>wherein said commands control at least one of pre-processing functions and post-processing functions of said medical imaging system.</u>

Claims 35-36 (Cancelled)

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    37. (Currently Amended)   A method for communication between the operator

of a medical imaging device and the operator of remote terminal, said method including

the steps of:

    transmitting unprocessed communications data to a remote terminal from a

medical imaging system; and

    receiving unprocessed communications data at said medical imaging system from

said remote terminal.

    38. (Original) The method of claim 37 wherein said communications data is

audio data.

    Claim 39 (Cancelled)

    40. (Original) The method of claim 37 wherein said communications data is

video data.

    41. (Original) The method of claim 37 wherein said communications data

represents a verbal command.

    42. (Original) The method of claim 37 wherein said communications data is text

data.

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43. (Original) A method for remotely post-processing medical imaging data, said method including the steps of :

receiving unprocessed medical information data at a remote terminal; and

post-processing said medical imaging data.

44. (Original) The method of claim 43 wherein said unprocessed medical imaging data is sent by a medical imaging system to said remote terminal.

45. (Original) The method of claim 43 wherein said remote terminal processes said unprocessed medical information data according to imaging parameters.

46. (Original) The method of claim 45 wherein said imaging parameters are controlled by an operator at said remoter terminal.

Claims 47-50 (Cancelled)

51. (Original) An imaging system for use in a medical imaging system for remotely displaying a medical image, said imaging system including;

a data processor externally transmitting unprocessed medical imaging data.

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52. (Original) The imaging system of claim 51 further including a data acquisition processor acquiring imaging data and sending said imaging data to said data processor.

53. (Original) The imaging system of claim 51 wherein said data processor is responsive to control signal from an origin external to said imaging system.

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